Contents Volume 131, 1997

Research Papers

Prediction of modern bauxite occurrence: implications for climate reconstruction
G.D. Price, P.J. Valdes and B.W. Sellwood 1

The use of a resemblance function in the measurement of climatic parameters from the physiognomy of woody dicotyledons
L. Stranks and P. England 15

Sedimentology and vertebrate taphonomy of the *Tritylodon* Acme Zone: a reworked palaeosol in the Lower Jurassic Elliot Formation, Karoo Supergroup, South Africa
R. Smith and J. Kitching 29

Palaeogeographic reconstruction using composite maps, with case studies from three continents
J.P. le Roux 51

Palaeoecology and palaeobiogeography of the Middle Jurassic ostracods of southern Tunisia
W. Mette 65

Stratigraphy and paleoenvironments of rudist biostromes in the Upper Cretaceous (Turonian–upper Santonian) limestones of southern Istria, Croatia
A. Moro 113

Cenozoic basins in northern Taiwan and tectonic implications for the development of the eastern Asian continental margin
Ho-Shing Yu and J. Chow 133

An integrated environment analysis—lithofacies, chemofacies, biofacies—of the Oligocene calcareous-siliciclastic shelf deposits in northern Germany
H.G. Dill, M. Scheel, A. Köthe, R. Botz and F. Henjes-Kunst 145

Short Communication

Dropstones: their origin and significance: a comment
S.K. Donovan and R.K. Pickerill 175

Special Issue: The Late Quaternary Palaeoceanography of the Australasian Region. Edited by P. De Deckker

Introduction
P. De Deckker 179

Faunal and geochemical evidence for changes in intermediate water temperature and salinity in the western Coral Sea (northeast Australia) during the Late Quaternary
T. Corrège and P. De Deckker 183

Oceanic surface conditions recorded on the sea floor of the Southwest Pacific Ocean through the distribution of foraminifers and biogenic silica
J. Thiede, S. Nees, H. Schulz and P. De Deckker 207

Sea surface temperature estimates from the Southwest Pacific based on planktonic foraminifera and oxygen isotopes
P.P.E. Weaver, H. Neil and L. Carter 241

The calcareous nannoplankton assemblages of surface sediments in the Tasman and Coral Seas
C. Hiramatsu and P. De Deckker 257

Benthonic ostracods and deep watermasses: A qualitative comparison of Southwest Pacific, Southern and Atlantic Oceans
M. Ayress, H. Neil, V. Passlow and K. Swanson 287

Late Quaternary ostracod and planktonic foraminiferal dissolution signals from the eastern Tasman Sea — palaeoenvironmental implications
K. Swanson and G. van der Lingen 303

Quaternary ostracods as palaeoceanographic indicators: a case study off southern Australia
V. Passlow 315

Mineral magnetic 'tracing' of aeolian dust in southwest Pacific sediments
P.P. Hesse 327

Decreasing influence of Subantarctic Mode Water north of the Tasman Front over the past 150 kyr
J.I. Martínez R. 355
Late Quaternary palaeoceanography of the Tasman Sea: the benthic foraminiferal view
S. Nees 365
The late Quaternary calcareous nannoplankton assemblages from three cores from the Tasman Sea
C. Hiramatsu and P. De Deckker 391
Late Quaternary nannofossil indicators of climate change in two deep-sea cores associated with the Leeuwin Current off Western Australia
H. Okada and P. Wells 413
Late Quaternary palaeoceanography near Tasmania, southern Australia
V. Passlow, W. Pinxian and A.R. Chivas 433
Late Quaternary vegetation and climate change in southeastern Australia: palynological evidence from marine core E55-6
K.J. Harle 465
Microfossil and stable-isotope evidence for changes in Late Holocene palaeoproductivity and palaeoceanographic conditions in the Prydz Bay region of Antarctica
A.E. Rathburn, J.-J. Pichon, M.A. Ayress and P. De Deckker 485
The significance of the oceans in the Australasian region with respect to global palaeoclimates: future directions
P. De Deckker 511